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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: MILLS, Diane G. et al.

Group Art Unit: 2634

Serial No. 10/827,462

Examiner:

Filed: 04/19/2004

Atty. Dkt. No: 20040025-CIP

For: MULTIUSER DETECTION AIDED MULTIPLE ACCESS DIFFERENTIAL M-ARY
CODING APPLICATIONS

To: Mail Stop Amendment
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

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☒ Dawn M. Case

Commissioner:

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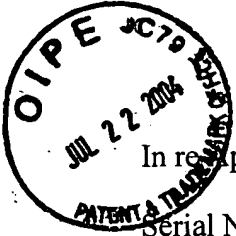
Transmitted herewith is the Applicant's Information Disclosure Statement, 2 sheets form PTO/SB/08A and/or PTO/SB/08B, and 7 references and other information. Pursuant to 37 CFR 1.98 (a)(2)(i) applicant has not transmitted herewith copies of cited U.S. Patents and U.S. patent application publications as the above application was filed after June 30, 2003. Please enter in the above application and communicate in all related matters with the undersigned.

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Respectfully submitted,

Scott J. Asmus
Scott J. Asmus, Reg. No. 42,269
Neil F. Maloney, Reg. No. 42,833
Andrew P. Cernota, Reg. No. 52,711
Attorneys/Agents for Applicant

Cus. No. 24222
Maine & Asmus
PO Box 3445
Nashua, NH 03061-3445
Tel. No. (603) 886-6100, Fax. No. (603) 886-4796
Info@maineandasmus.com



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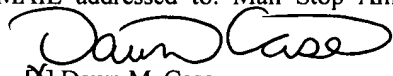
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INFORMATION DISCLOSURE STATEMENT

Applicants submit this statement and the attached 2 sheet(s) of form PTO/SB/08A and/or PTO/SB/08B and 7 references and other information in accordance to the duty of disclosure under 37 C.F.R. §§1.56, 1.97, and 1.98, and requests consideration hereof. Pursuant to 37 CFR 1.98 (a)(2)(i) applicant has not transmitted herewith copies of cited U.S. Patents and U.S. patent application publications as the above application was filed after June 30, 2003.

Compliance with 37 C.F.R. §1.97: This Information Disclosure Statement is filed within three (3) months of the filing date of a National Application or before the mailing date of a first office action on the merits. No fee or certification is required.

Information Cited: The Applicants hereby make of record in the above-identified application, the information listed on the attached form PTO/SB/08A and/or PTO/SB/08B. The order of presentation of the references should not be construed as an indication of the importance of the reference. As all the references listed on attached Form PTO/SB/08A and/or PTO/SB/08B are in English, no commentary is required.

Remarks: A copy of each reference, together with a listing on Form PTO/SB/08A and/or PTO/SB/08B, is submitted herewith. Applicants respectfully request that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;

2. The enclosed form PTO/SB/08A and/or PTO/SB/08B be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application; and

3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicants make no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

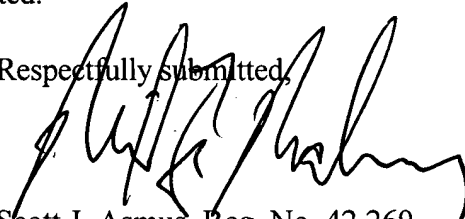
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Notwithstanding any statement by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted,



Scott J. Asmus, Reg. No. 42,269
Neil F. Maloney, Reg. No. 42,833
Andrew P. Cernota, Reg. No. 52,711
Attorneys/Agents for Applicant

Cus. No. 24222
Maine & Asmus
PO Box 3445
Nashua, NH 03061-3445
Tel. No. (603) 886-6100, Fax. No. (603) 886-4796
Info@maineandasmus.com

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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1

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2

Complete if Known

Application Number	10/827,462
Filing Date	04/19/2004
First Named Inventor	Mills, Diane G. et al.
Art Unit	2634
Examiner Name	
Attorney Docket Number	20040025-CIP

U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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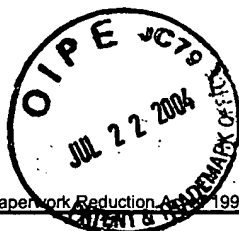
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Examiner Name	
Attorney Docket Number	20040025-CIP

Sheet 2 of 2

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		LEE, Paul, et al., "Capacity Enhanced for Correlated Frequency Hopping System", ATIRP, 1997, pp. 1-6, U.S. Army Research Laboratory.	
		LEE, Paul K., et al., "Spectrum Efficient HF System for Mobile Long Haul Communications", ATIRP, pp. 1-5, U.S. Army Research Laboratory.	
		ROBERTSON, Patrick, et al., "A Comparison of Optimal and Sub-Optimal MAP Decoding Algorithms Operating in the Log Domain", IEEE, 1995, pp. 1009-1013.	
		HAGENAUER, Joachim, et al. "A Viterbi Algorithm with Soft-Decision Outputs and its Applications", IEEE, 1989, pp. 1680-1686.	
		POTTIE, Gregory J., et al. "A Comparison of Reduced Complexity Decoding Algorithms for Trellis Codes", IEEE Journal on Selected Areas of Communications, Dec. 1989, pp. 1369-1380, vol. 7 no. 9.	
		AULIN, Tor, et al. "Trellis Coded Multiple Access (TCMA)", IEEE, 1999, pp. 1177-1181.	
		PCT International Search Report dated Dec. 12, 2003 of International Application No. PCT/US03/24920 filed Aug. 7, 2003.	

Examiner Signature		Date Considered	
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